

3.5 TONNE CPT TRACK MOUNTED RIG (CPT003)

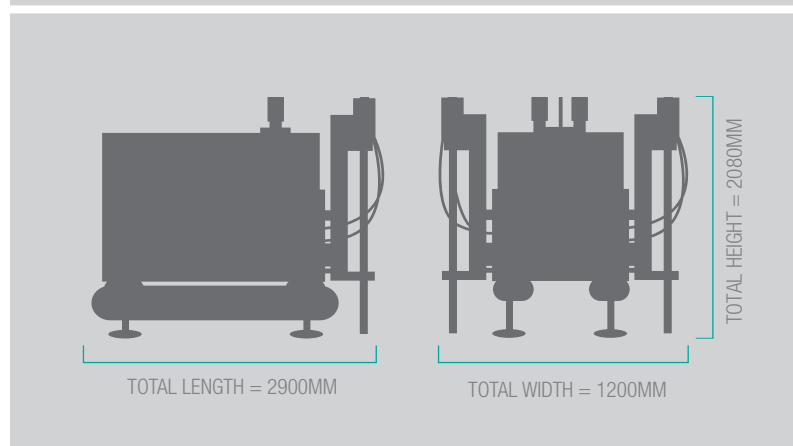
We have a variety of rigs giving us the capacity to meet our clients' needs and specifications for each individual project.

This rubber tracked mini rig weighs 3.5 tonnes and is able to push up to a depth of 10-30 metres, depending on the ground conditions. Its hydraulically driven screw anchors enable it to have a 20 tonne ram thrust capacity. It can be attached to marine jack-ups and rail trailers or craned into areas of restricted access making this rig ideal for confined locations.

CPT RIG DETAILS

DRIVE SYSTEM	SMALL TRACKED SYSTEM
TOTAL WEIGHT	3.5 TONNES
ADDITIONAL REACTION WEIGHT	HYDRAULICALLY DRIVEN SCREW ANCHORS
CPT RAM THRUST CAPACITY	20 TONNES
MAXIMUM PENETRATION	10-30M DEPENDING ON THE GROUND CONDITIONS AND REACTION FROM SCREW ANCHORS.
PERFORMANCE RATES	50-100M OF TESTING A DAY, DEPENDING ON ACCESS TO POSITIONS.
TYPICAL SITES FOR THIS RIG	SPECIALISES ON SOFT GROUND SITES. CAN BE MOUNTED ON MARINE JACK-UPS AND RAIL TRAILERS.

CPT RIG DIMENSIONS



PROJECT REVIEW

ALBERT DOCKS, LIVERPOOL

In Situ Site Investigation completed a specialist water project within the Albert Docks in Liverpool. Our Mini Rig, CPT 003, was craned onto a spud leg multi cap vessel and transported across the dock to complete tests over the water. Proposed redevelopment of the area required significant geological testing and by utilising our mini rig anchored onto a vessel, our client was saved the cost and time of draining the dock in order to assess the ground conditions.

A total of 3 MOSTAPs, 7 shear vanes and 14 CPTs were completed within the 5 day window given. We successfully used our new electronic shear vane testing equipment to measure the in situ strength of the ground. The CPTs went to a target depth of approximately 3 metres through the soft sediment before stopping at the bedrock.

CANTERBURY

The redevelopment of an old bank in Canterbury required the use of our Mini Rig for the investigation carried out in its basement. This site was particularly restricted and required careful management and precision to get the rig into position. The rig was tracked approximately 200m in order to enter the building. Once inside, the rig was craned into a pre-made hole and lowered down into the depths of the basement. An exhaust extractor was connected to remove fumes inside the confined space and testing commenced.

For this project, we utilised our combined cone, which allows us to complete a UXO survey and carry out CPTs at the same time. 10 CPTs were completed to a depth of 8-10 meters and went into underlying clay over sand.



Liverpool



Liverpool



Canterbury



Hastings



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